



RVS College of Engineering & Technology

**(Accredited by NAAC, Approved by AICTE and Affiliated to Anna University, Chennai)
Kumarankottam Campus | Kannampalayam | Coimbatore – 641402**

ANNUAL QUALITY ASSURANCE REPORT

2016 - 2017



SUBMITTED TO

NATIONAL ASSESSMENT AND ACCREDITATION COUNCIL

Nagarbhavi, Bangalore -560072, Karnataka, India

Annual Quality Assurance Report

Of

RVS College of Engineering & Technology, Coimbatore

Internal Quality Assurance Cell

(2016 - 2017)

Details of the Institution

Part – A

1. Details of the Institution

1.1 Name of the Institution	: RVS College of Engineering & Technology
1.2 Address Line 1	: Kumarankottam Campus (E-Block)
Address Line 2	: Trichy Main Road, Kannampalayam, Sulur
City	: Coimbatore
State	: Tamil Nadu
Pin Code	: 641402
Institution e-mail address	: principal@rvscet.ac.in
Contact Nos.	: Land Line : (0422) - 2687877
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Name of the Head of the Institution	: Dr.V.Gunaraj
Tel. No. with STD Code	: (0422) - 2687877
Mobile	: +91-944 334 3870
Name of the IQAC Co-ordinator	: Dr.P.Rajendran
Mobile	: +91 - 984 323 2403
IQAC e-mail address	: iqac.rvscet@rvsgroup.com

1.3 NAAC Track ID : **TNCOGN23074**

1.4 NAAC Executive Committee No. & Date : **EC(SC)/13/A&A/29.1 Dated 17-03-2016**

1.5 Website address : **www.rvscet.ac.in**

Web-link of the AQAR : **http://rvscet.ac.in/our_quality.php#tab-5**

1.6 Accreditation Details

Sl. No.	Cycle	Grade	CGPA	Year of Accreditation	Validity Period
1	1st Cycle	B	2.63	2016	5 Years

1.7 Date of Establishment of IQAC : **02-07-2014**

1.8 Details of the previous year's AQAR submitted to NAAC after the latest Assessment and Accreditation by NAAC

NIL

1.9 Institutional Status

University State Central Deemed Private

Affiliated College Yes No

Constituent College Yes No

Autonomous college of UGC Yes No

Regulatory Agency approved Institution Yes No

Type of Institution Co-education Men Women

Urban Rural Tribal

Financial Status Grant-in-aid UGC 2(f) UGC 12B

Grant-in-aid + Self Financing Totally Self-financing

1.10 Type of Faculty/Programme

Arts Science Commerce Law PEI (Phys Edu)

TEI (Edu) Engineering Health Science Management

Others (Specify)

1.11 Name of the Affiliating University : **Anna University, Chennai, Tamil Nadu**

1.12 Special status conferred by Central/ State Government-- UGC/CSIR/DST/DBT/ICMR etc

Autonomy by State/Central Govt. / University

University with Potential for Excellence UGC-CPE

DST Star Scheme UGC-CE

UGC-Special Assistance Programme DST-FIST

UGC-Innovative PG programmes Any other (Specify)

UGC-COP Programmes

IQAC Composition and Activities

2. IQAC Composition and Activities

2.1 No. of Teachers : 07

2.2 No. of Administrative/Technical staff : 01

2.3 No. of students : 05

2.4 No. of Management representatives : 01

2.5 No. of Alumni : 02

2.6 No. of any other stakeholder and

Community representatives : 01

2.7 No. of Employers/ Industrialists : 01

2.8 No. of other External Experts : 01

2.9 Total No. of members : 19

2.10 No. of IQAC meetings held : 10

2.11 No. of meetings with various stakeholders:

Faculty : 06

Non-Teaching Staff : 02

Students : 12

Alumni : 01

Others : 03

Total : 24

2.12 Has IQAC received any funding from UGC during the year? Yes No

2.13 Seminars and Conferences (quality related)

(i) No. of Seminars/Conferences/ Workshops/Symposia organized by the IQAC

Total Nos: 03

State : 01

Institution Level : 02

(ii) Themes :

- Role of ICT Tools in Instructional Design and Delivery
- Strategies to design POs and PEOs

2.14 Significant Activities and contributions made by IQAC

Total Quality Improvement in academics

2.15 Plan of Action by IQAC/Outcome

The plan of action chalked out by the IQAC in the beginning of the year towards quality Enhancement and the outcome achieved by the end of the year

Plan of Action	Achievements
To improve the attendance, modification in tutor ward system had been made.	Average attendance percentage had been improved from 70% to 78.12%.
Exam monitoring in tutor ward system had been modified to improve the academic performance.	Overall academic results have been improved from 53.79% to 66.37% (Results are taken from odd Semesters)

2.15 Whether the AQAR was placed in statutory body Yes No

Management Syndicate Any other body

AQAR has been approved by Management Committee with minor changes.

Criterion – I
Curricular Aspects

Part – B
Criterion – I

1. Curricular Aspects

1.1 Details about Academic Programmes

Level of the Programme	Number of existing Programmes	Number of programmes added during the year	Number of self-financing programmes	Number of value added / Career Oriented programmes
PhD	0	2	2	-
PG	5	0	5	-
UG	5	0	5	-
PG Diploma	-	-	-	-
Advanced Diploma	-	-	-	-
Diploma	-	-	-	-
Certificate	-	-	-	-
Others	-	-	-	-
Total	10	2	12	-

Interdisciplinary	-	-	-	-
Innovative	-	-	-	-

1.2 (i) Flexibility of the Curriculum: Core / Elective option

(ii) Pattern of programmes:

Pattern	Number of programmes
Semester	6

1.3 Feedback from stakeholders Alumni Parents Employers Students

Mode of feedback : Online Manual Co-operating schools (for PEI)

1.4 Whether there is any revision/update of regulation or syllabi, if yes, mention their salient aspects.

NO

1.5 Any new Department/Centre introduced during the year. If yes, give details.

Research centre for the Department of Computer Science and Engineering and Department of Electronics and Communication Engineering was introduced.

Criterion – II

Teaching, Learning and Evaluation

Criterion – II

2. Teaching, Learning and Evaluation

2.1 Total No. of permanent faculty

Professors	:	12
Associate Professors	:	11
Assistant Professors	:	82
Total	:	105

2.2 No. of permanent faculty with Ph.D. : 15

2.3 No. of Faculty Positions Recruited (R) and Vacant (V) during the year

Assistant Professors		Associate Professors		Professors		Others		Total	
R	V	R	V	R	V	R	V	R	V
6	7	1	1	2	2	-	-	9	10

2.4 No. of Guest and Visiting faculty and Temporary faculty

NIL

2.5 Faculty participation in conferences and symposia:

No. of Faculty	International level	National level	State level
Attended Seminars/	21	29	-
Presented papers	23	4	-
Resource Persons	-	4	5

2.6 Innovative processes adopted by the institution in Teaching and Learning:

- The teachers utilize ICT facilities to illustrate the concept clearly through audio/video mode.
- Usage of NPTEL – National Programme on Technology Enhanced Learning.
- Faculty members make use of internet, digital library and online journals to download the study materials to enhance the teaching.
- Faculty members upgrade their methods of delivery based on feedback from students, discussion with peers, and information from internet.

2.7 Total No. of actual teaching days during this academic year : **177**

2.8 Examination / Evaluation Reforms initiated by the Institution

- Regular morning test had been conducted to make micro-level evaluation and improve regular reading habits.
- A special squad team had been formed for all the internal exams to monitor the exam process and avoid malpractice.
- For all the internal exams two set of question papers were set to ensure the secrecy.

2.9 No. of faculty members involved in curriculum Restructuring / revision / syllabus development as member of Board of Study / Faculty / Curriculum Development workshop

NIL

2.10 Average percentage of attendance of students : **78.12 %**

2.11 Course/Programme wise distribution of pass percentage:

Results are not yet published.

2.12 How does IQAC Contribute/Monitor/Evaluate the Teaching & Learning processes:

- ✓ Surprise audit on teaching learning process for all the departments were done by IQAC and a report on the same is being sent to the HoD know about the area of improvements.
- ✓ Weekly report on student's performance and attendance were received from each department to know about the individual student performance.
- ✓ Student profile book was introduced to support the tutor ward system.

2.13 Initiatives undertaken towards faculty development

Faculty / Staff Development Programmes	Number of faculty benefitted
Refresher courses	-
UGC – Faculty Improvement Programme	-
HRD programmes	-
Orientation programmes	-
Faculty exchange programme	-
Staff training conducted by the university	25
Staff training conducted by other institutions	29
Summer / Winter schools, Workshops, etc.	38
Others	-

2.14 Details of Administrative and Technical staff

Category	Number of Permanent Employees	Number of Vacant Positions	Number of permanent positions filled during the Year	Number of positions filled temporarily
Administrative Staff	21	4	4	-
Technical Staff	43	4	4	-

Criterion – III

Research, Consultancy and Extension

Criterion – III

3. Research, Consultancy and Extension

3.1 Initiatives of the IQAC in Sensitizing/Promoting Research Climate in the institution

- ✓ Students are motivated to get funding from TNSCST for their final year project.
- ✓ Faculty those who are doing research are asked to get funding for their research work.

3.2 Details regarding major projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	1	-	-
Outlay in Rs. Lakhs	-	3	-	-

3.3 Details regarding minor projects

	Completed	Ongoing	Sanctioned	Submitted
Number	-	-	-	-
Outlay in Rs. Lakhs	-	-	-	-

3.4 Details on research publications

	International	National	Others
Peer Review Journals	29	8	0
Non-Peer Review Journals	77	0	0
e-Journals	0	0	0
Conference proceedings	102	8	0

3.5 Details on Impact factor of publications:

Range	: 0.315 to 5.32
Average	: 2.3
h-index	: 1.307444
Nos. in SCOPUS	: 23

3.6 Research funds sanctioned and received from various funding agencies, industry and other organisations

Nature of the Project	Duration Year	Name of the funding Agency	Total grant sanctioned	Received
Major projects	1.5	ICSSR	3 Lakhs	1.2 Lakhs*
Minor Projects	-	-	-	-
Interdisciplinary Projects	-	-	-	-
Industry sponsored	-	-	-	-
Projects sponsored by the University/ College	-	-	-	-
Students research projects	-	-	-	-
Any other(Specify)	-	-	-	-
Total	1.5	ICSSR	3 Lakhs	1.2 Lakhs

* First Instalment Received

3.7 No. of books published with ISBN No. : 05

3.8 No. of University Departments receiving funds from

Not Applicable

3.9 For colleges

Autonomy CPE DBT Star Scheme

INSPIRE CE Any Other*

* Fund received from NIMET,IIT Bombay and ICSSR

3.10 Revenue generated through consultancy: NIL

3.11 No. of conferences Organized by the institution

Level	International	National	State	University	College
Number	-	6	-	-	-
Sponsoring agencies	-	ICTACT/ RVSCET	-	-	-

3.12 No. of faculty served as experts, chairpersons or resource persons : 8

3.13 No. of collaborations

International : NIL

National : NIL

Any other : NIL

3.14 No. of linkages created during this year : 6

3.15 Total budget for research for current year :

From funding agency : 1,20,000.00

From Management of University/College : 2,00,000.00

Total : 3,20,000.00

3.16 No. of patents received this year

NIL

3.17 No. of research awards/ recognitions received by faculty and research fellows of the institution

Total	International	National	State	University	District	College
3	-	-	-	3	-	-

3.18 No. of faculty from the Institution

Who are Ph. D. Guides : 5

Students registered under them : 4

3.19 No. of Ph.D. awarded by faculty from the Institution : NIL

3.20 No. of Research scholars receiving the Fellowships : NIL

3.21 No. of students Participated in NSS events:

University level : 25

State level : 40

3.22 Number of students participated in NCC events:

NCC is not yet established in our institution.

3.23 Number of Awards won in NSS:

State level : 5

3.24 Number of Awards won in NCC:

NCC is not yet established in our institution.

3.25 No. of Extension activities organized

College forum : 04

NSS : 03

3.26 Major Activities during the year in the sphere of extension activities and Institutional Social Responsibility

- ✓ Blood Donation Camp
- ✓ Republic Day Celebration with rural school children
- ✓ Various awareness programs in association with social bodies

Criterion – IV

Infrastructure and Learning Resources

Criterion – IV

4. Infrastructure and Learning Resources

4.1 Details of increase in infrastructure facilities:

New Laboratories were added to the Department of Petrochemical Engineering and the details of those Laboratories are given below.

Facilities	Existing	Newly created	Source of Fund	Total
Laboratories	11	3	Management	14

4.2 Computerization of administration and library

- ✓ Inspro Plus, ERP software had introduced for Administration and Teaching learning process.
- ✓ For Library maintenance Auto Lib software has been used.

4.3 Library services:

	Existing		Newly added		Total	
	Number	Value	Number	Value	Number	Value
Text Books	21,338	81,93,364	1,954	4,48,016	21,363	82,03,590
Reference Books	1,330	8,83,322	6	4,068	1,337	8,87,390
e-Books	-	-	-	-	-	-
Journals	124	3,51,150	-	-	124	3,51,150
e-Journals	3	10,72,124	-	-	3	10,72,124
Digital Database	-	-	-	-	-	-
CD & Video	2,839	Free	93	Free	2932	Free
Others (specify)	-	-	-	-	-	-

4.4 Technology up gradation (overall)

	Total Computers	Computer Labs	Internet	Browsing Centres	Computer Centres	Office	Departments	Others
Existing	932	20	10 Mbps	1	-	-	-	-
Added	-	-	10 Mbps	-	-	-	-	-
Total	932	20	20 Mbps	1	-	-	-	-

4.5 Computer, Internet access, training to teachers and students and any other programme for technology up gradation (Networking, e-Governance etc.)

Skill Development program for technical staff.

4.6 Amount spent on maintenance in lakhs :

i) ICT	: Rs 10,75,987.00
ii) Campus Infrastructure and facilities	: Rs 25,51,275.00
iii) Equipment's	: Rs 1,26,807.00
iv) Others	: Rs 8,22,342.00
Total	: Rs. 45,76,411.00

Criterion – V

Student Support and Progression

Criterion – V

5. Student Support and Progression

5.1 Contribution of IQAC in enhancing awareness about Student Support Services

- ✓ A Special Anti-Ragging committee has been formed by IQAC.
- ✓ Student grievance has been addressed by IQAC without affecting the quality of the system
- ✓ Transport facilities has been extended based on the students' needs

5.2 Efforts made by the institution for tracking the progression

- ✓ Student profile books has been enhanced for better tracking of the student progress.
- ✓ Weekly tutor ward reports were collected and analysed by IQAC.
- ✓ Student progress has been monitored by collecting reports on academic and non-academic performances.

5.3 Total Number of students

U.G : 1106

P.G : 66

Ph.D. : 0

Others : 0

Number of students outside the state : 177

Number of international students : NIL

Number of Male Students : 962

Percentage of Male students : 82.08 %

Number of Male Students : 210

Percentage of Female students : 17.92 %

Last Year						This Year					
General	SC	ST	OBC	Physically Challenged	Total	General	SC	ST	OBC	Physically Challenged	Total
41	30	0	205	0	276	44	39	1	213	0	297

Demand ratio in Percentage : 5.83 %

Dropout in Percentage : 2.15 %

5.4 Details of student support mechanism for coaching for competitive examinations (If any)

Career guidance cell is taking care of the competitive exam coaching. In association with various agencies like GATE Forum, GATE Academy, TIME, ALS IAS Academy various coaching classes for competitive exams has been organized.

No. of students beneficiaries : 228

5.5 No. of students qualified in these examinations

GATE : 35

CAT : 04

IAS / IPS : 02

Others : 10

5.6 Details of student counselling and career guidance

Tutor ward system plays a major role in student counselling, A Strong relationship between student, tutor and parent has been established to solve personal and academic related issues.

No. of students benefitted : 680

5.7 Details of campus placement

On campus	Placement		Off Campus
Number of Organizations Visited	Number of Students Participated	Number of Students Placed	Number of Organizations Visited
41	202	123	51

5.8 Details of gender sensitization programmes

- ✓ Women Empowerment Cell (WEC) is actively functioning to motivate, counsel and support female students.
- ✓ An awareness program “Women Health” has been organized by WEC.

5.9 Students Activities

5.9.1 No. of students participated in Sports, Games and other events

State/ University level National level International level

No. of students participated in cultural events

State/ University level National level International level

5.9.2 No. of medals /awards won by students in Sports, Games and other events

Sports : State/ University level National level International level

Cultural: State/ University level National level International level

5.10 Scholarships and Financial Support

	Number of students	Amount
Financial support from institution	183	47,68,000.00
Financial support from government	594	1,07,98,500.00
Financial support from other sources	-	-
Number of students who received International/ National recognitions	-	-

5.11 Student organised / initiatives

Fairs : State/ University level National level International level

Exhibition: State/ University level National level International level

5.12 No. of social initiatives undertaken by the students

5.13 Major grievances of students (if any) redressed: NA

Criterion – VI

Governance, Leadership and Management

Criterion – VI

6. Governance, Leadership and Management

6.1 State the Vision and Mission of the institution

VISION

RVS College of Engineering & Technology, Coimbatore, will strive to be an institution of national importance and committed to work towards societal and economic empowerment of the nation through development of world class human resource.

MISSION

The RVSCET, Coimbatore strives to

- Develop a strong centre of excellence for education and research with excellent infrastructure and well-qualified faculty.
- Develop and support faculty who are effective scholars and educators.
- Empower the students with skill development programs to meet the growing challenges of the industry.
- Enhance competitiveness of the graduates for economic and social developments.

6.2 Does the Institution has a management Information System

Yes, Management Information System is available in the institution. Which takes care of automation in Human resource Management, Academics, Transport, Library, Hostel, Inventory Management & Finance.

6.3 Quality improvement strategies adopted by the institution for each of the following:

6.3.1 Curriculum Development

As an affiliated College, the Institution follows Anna University curriculum. Through Academic Council, we discuss with Internal and external experts from academia , experts from Industry and Alumni for Enriching the Curriculum.

With the inputs from the stakeholders on curriculum enrichment, The Academic council ensures that enriched curriculum incorporates components for employability, research, topics in emerging trends in engineering, social relevance and social needs.

6.3.2 Teaching and Learning

- NPTEL repository is made available and the same is being used by faculty & Students for enhanced learning.
- Micro session plan is being implemented to standardize the content delivery.
- For all programmes practical orientation is insisted in the form of projects, Mini projects, industrial visit, guest lectures, workshops, seminars.
- Faculty development programmes are conducted to enrich their teaching-learning methods.
- Remedial classes and counselling for slow learners are part of teaching and learning process.

6.3.3 Examination and Evaluation

- Good Morning Test (Daily Test) has been introduced to monitor regular learning habit.
- The attendance and assessment marks are communicated to the parents through tutors, letters and parent teachers meeting to review the performance of the students
- Counselling of students by the tutors to find out the academic progress and guide them towards improvement.

6.3.4 Research and Development

- Department of Computer Science & Engineering and Electronics & Communication Engineering has received research centre status from Anna University, Chennai.
- R&D Cell encourages the faculty members and students for sending research proposals and receiving funds from various research bodies.
- Faculty provided with On – Duty, Registration fee refunds for participating in conference, FDP, Seminars etc.
- Encouraging faculty to organize, attend and present papers at state / national / international conferences and seminars.
- Faculty members and students are motivated to publish their research papers in reputed national and international journals / conferences.
- Faculty members are guiding the students to do grant-in aid research under student project scheme.
- Experts from reputed institutions are invited for R & D related interactions.
- The project proposals are usually examined and evaluated by the Project scrutinizing committee before they get sent to the funding agency.

6.3.5 Library, ICT and physical infrastructure / instrumentation

Library:

- Library has sufficient e-journals which include Science direct, ASME & IEEE etc.
- 21363 back volumes were being maintained across all the engineering departments.
- Digital library facilities with National and International online journals are also provided.
- Library administrations like issue / return of books are maintained through AutoLib library software with SMS and E-Mail alert to the library members on their transaction.
- The library building is enabled with Wi-fi facility. Every year, additional volumes of books are added based on the requirements from all the departments.

- Every class library hour for permitting the students to access the reference books and journals which augments the learning process. Apart from the central library, every department has its Department Library within the department.

ICT:

- All class rooms, tutorials rooms, seminar halls, laboratories pertaining each department is enabled with ICT tools.

Physical infrastructure/instrumentation:

- The Administrative Officer is monitoring the maintenance of academic infrastructure and other facilities.
- A dedicated team of employees under the supervision of the gardener functions exclusively for maintaining the green landscape.
- The green ambience of the campus is maintained by the trust office.

6.3.6 Human Resource Management

- As per the AICTE & Anna university norms, faculty and staff requirement is forwarded to Recruitment committee consisting of Principal, Vice Principal, HOD, senior faculty and External subject expertise for further action.
- Arranging various orientation programmes for both teaching and non-teaching faculty members for upgrading their skills in their respective fields using latest technology.
- Incentives are given to the faculty members for presenting research papers in reputed Journals / International and National Conferences.
- Faculty are supported to attend Conference / Workshop & FDP's conducted outside the Institution.

6.3.7 Faculty and Staff recruitment

Based on the vacancy in the respective departments, we publish the advertisement in college website. The recruitment committee comprises Principal, HOD's and senior faculty who will conduct the interview and select the candidates and further approved based on qualification, experience and performance.

6.3.8 Industry Interaction / Collaboration

The institution emphasizes upon career development of the students. This can be achieved by establishing MoUs with reputed industries to enhance Industry- Institute Interaction activities like internships, industrial visits, in-plant trainings, value added courses, industrial projects, guest lectures etc., for the benefit of students.

Entrepreneur Development Cell (EDC) is functioning for enhancing the industry-institute relationship.

The different kinds of activities which are followed in EDC are given below.

- Arranging industrial visits, in-plant training and internship programmes to the students, for getting practical exposure and knowledge in the industrial environment.
- Providing internship training programme for the faculty members from industry to update their knowledge on present day industrial scenario.
- Collaborating with the industry for R & D Projects.
- Conducting awareness programmes on entrepreneurship skills and engineering and technological fields.
- The cell invites experienced academicians, leading professionals with extensive corporate experience and entrepreneurs to address the students and thereby facilitate practical learning.

6.3.9 Admission of Students

Admissions are made upon the basis of Tamil Nadu Engineering Admissions–single window system procedure for the government quota students and through the consortium of self-financing engineering colleges for the management quota students.

6.4 Welfare schemes for

Teaching	: 4
Non-Teaching	: 3
Students	: 5

6.5 Total corpus fund generated : Not Applicable

6.6 Whether annual financial audit has been done Yes No

6.7 Whether Academic and Administrative Audit (AAA) has been done?

Audit Type	External		Internal	
	Yes/No	Agency	Yes/No	Authority
Academic	YES	NQA Certification Pvt Ltd	YES	IQAC
Administrative	YES	NQA Certification Pvt Ltd	YES	ISO

6.8 Does the University/ Autonomous College declares results within 30 days?

For UG Programmes Yes No

For PG Programmes Yes No

6.9 What efforts are made by the University/ Autonomous College for Examination Reforms?

- Photocopies of Answer scripts are provided for students based on request.
- Revaluation of Answer scripts.
- Publication of Semester results through online.

6.10 What efforts are made by the University to promote autonomy in the affiliated/constituent colleges?

Suggestions are being sent to the university to perform reforms in curriculum. In the curriculum the selection of Elective course by the students is permitted.

6.11 Activities and support from the Alumni Association

Institute conducts alumni meet every year. Alumni are invited to visit the college for guest lecturers & interaction with students to enhance the knowledge & skills of the students.

The alumni help in bringing industries for campus Placements and provides employment opportunities to the students.

Few students of the alumni are entrepreneurs, they motivate and guide the students to become entrepreneurs.

6.12 Activities and support from the Parent – Teacher Association

Parent Teacher Association meetings are conducted periodically to know about the students' progress. The meeting is a platform to offer suggestions for further improvement and development of the students. The parents get an opportunity to interact with the faculty advisors and heads of the departments to know about their ward's academic performance and personal behaviour.

6.13 Development programmes for support staff

Linguistic training is being given to improve their language and technical training are given to them to improve the technical knowledge.

6.14 Initiatives taken by the institution to make the campus eco-friendly

More than two hundred trees are planted in and around the campus.

Criterion – VII

Innovations and Best Practices

Criterion – VII

7. Innovations and Best Practices

7.1 Innovations introduced during this academic year which have created a positive impact on the functioning of the institution. Give details.

The management has initiated the following steps for better functioning of the institution:

- Organize quality oriented workshops for faculty.
- Introduced SMS intimation on regular intervals to parents on the performance of their wards.
- Student record book was introduced to track the complete academic performance.
- Apart from regular class tutorial sessions were arranged for the first year students to bridge the gap between school and college.

7.2 Provide the Action Taken Report (ATR) based on the plan of action decided upon at the beginning of the year

The following actions were taken towards fulfilling the plan of action for the year.

- Communication between parent and the tutor is strengthened by regular intimation of their wards academic performance & attendance.
- NPTEL course relevant to the subject handling by faculty is made mandatory to improve the quality of class room delivery.
- Intuition is partnered with IIT Alumni work group – PALS to expose the students and faculties to update their technical knowledge.
- Surprise audit is being conducted by the IQAC to all the engineering departments To review compliance with a multitude of academic regulations.

7.3 Give two Best Practices of the institution

CONTINUOUS ASSESSMENT AND MONITORING OF THE ACADEMIC PERFORMANCE

The Practice

The continuous assessment and monitoring the system of teaching and learning process helps the faculty members in recording the academic progress of each and every student. A multi-pronged strategy is required to address these problems. First of all, academically poor performing students are identified by a well-defined evaluation system, formulated by the examination cell through unit tests. To overcome the difficulties faced due to the medium of instruction, a well-planned and well spanned communication skill development program is provided with the help of external trainers in the first four semesters for all the students. A continual assessment and monitoring system is followed to solve problems like confidence level, awareness issues and attitude problems.

In practice, each faculty member is allotted with 15-20 students and is acting as Tutor for those students. Tutor act like a local guardian and interact very closely with the students with the parental approach. They try to understand the academic and personal problems of their ward. Since the students attending the classes regularly will help them to understand the subject, it is monitored on hourly basis by the tutor. Any discrepancies in this regard are addressed by counselling and involving the parents.

Tutor help them in their learning process by checking their class notes and recommending materials and books to be followed and also suggest methods in reading and understanding concepts of the subject. During unit tests, the tutor visits the examination hall and observes their approach and presentation. Tutor discusses the corrected answer sheets with their wards pointing out the areas to be improved and also suggests how to be prepared for examinations.

To help them, remedial measures like extra class, hourly test and assignments are provided and monitored. In addition, they are supplied with university question papers and question banks. Regular counselling and motivation by the tutor helps him solving attitude problems. Apart from this, motivation classes and counselling by a professional counsellor are conducted.

Evidence of success

The practice of continuous assessment and monitoring the academic performance of the students and other is followed by tutor ward system effectively. The evidence of success is observed through the following points.

- Considerable improvement in attendance percentage.
- Visible improvement in consecutive test results.
- Better approach and presentation by the students in exams.
- Better performance in university examination.
- Positive behaviour of the students is visible through improved participation in various activities like organizing and participation in paper presentations, seminars, conferences, symposiums etc.

INSTITUTIONAL AUTOMATION SYSTEM (RAVES ERP)

The Practice

The Institutional automation system has been designated with the objective of storing and providing all the necessary information based on the requirements of the management, principal, HoDs, class Advisors, Tutors, Students and Parents. A separate dedicated team of staff members are working for the automation related activities. The important features of the system is

Students Management System

Student's personal data

The student's profile such as Name, Name of the parents, Date of birth, Address, Photo etc., will be added during the admission.

Student's academic performance

The course registered, the marks scored in the internal assessment tests and the end semester examination result are available.

Staff Management System

- Staff's personal profile : The staff's profile such as Name, Designation, qualification, Date of birth, Address, photo etc., will be added during joining.
- Staff work load details : The academic workload/time table of all the staff members is available.
- Staff leave particulars
- Daily attendance of staff can be entered
- Staff can entered their Timesheet – hour Wise topics
(Class room delivery and syllabus completion details)

This system can be accessed by the concerned staff member, Department Head, Dean and Principal. Staff alteration (in case of Leave) has to be entered by the HoD.

Examination Management System

- Internal tests marks report.
- Internal tests result analysis.
- End semester examination results.

Library Management System

- Books, Magazines and Journals database
- Search for Books, Magazines and Journals
- Access to e-resources
- Book issue/return database
- Stock report

The following Reports can be generated

- Faculty wise unit test mark
- Subject wise unit test mark
- Failure and Absentees statement
- Reports to parents
- Result analysis
- Monthly attendance report

- Cumulative attendance report for each student
- Deviation report for faculty members
- Reports for ISO documents like Lesson plan, Unit test marks etc.
- Master Time Table for each Department

Evidence of Success

- All the academic and administrative process have become fast and accurate due to Institutional Automation system.
- By incorporating this automation system, the accurate data can be accessed by the stakeholders.
- The access levels are ensured by passwords protection. So appropriate confidentiality of information is maintained.
- The availability of history data about the students (batch wise) and the staff members is the benefit of the Institutional Automation System.

7.4 Contribution to environmental awareness / protection

- ✓ Tree plantation in near by village was organized by the NSS team.
- ✓ More than two hundred trees has been planted inside the campus.
- ✓ To reduce paper usage GoGreen initiative has been taken.
- ✓ NSS students has taken an initiative to clean Kalipalayam village in Varapalayam panchayat, Erode District.

7.5 Whether environmental audit was conducted? Yes No

7.6 Any other relevant information the institution wishes to add. (for example SWOT Analysis)

Strengths:

- The college provides state-of-the-art infrastructural facilities, well lighted and airy class rooms, fully equipped labs, library stocked with a range of reference books, text books, journals, magazines, online resources, back issues and digital library.
- Excellent academic performance with positive progression by means of securing University Ranks.
- An effective 'Tutor-Ward system' to help and motivate the students in right directions.
- The college encourages the faculty members to organize and participate in seminars, workshops, conferences and faculty development programmes to strengthen existing knowledge base.
- Our College encourages work life balance of the staff; hence attrition ratio is very less.
- Our Exam Cell is being operated as Anna University Nodal Center for Engineering Colleges located in this region.
- The students are motivated to participate in in-plant training, internships, industrial projects, paper presentation, workshops and seminars.
- Professional Societies and chapters have been established with student and faculty membership and active participation.
- Eco – friendly and harmonious working environment.

Weakness:

- Industry institute interaction needs to be strengthened further.
- Affiliated to Anna university, Chennai and hence limitation in enhancing the curriculum.
- Non availability of technology incubators.
- Faculty members with industrial exposure / experience are less in number.

Opportunities:

- To introduce new programmes to meet the ever emerging technology.
- Faculty retention being high scope for research work.
- Introduce Innovative add-on programs to meet the requirement of the students.
- Student exchange programs with leading national and international programs.

Challenges:

- Unpredictable and declining quality of students is a hurdle in achieving good academic performance.
- Difficulties in obtaining funded projects.
- Declining appeal for engineering education.
- Coping with rapid change in technology and industry needs

Plans of Institution for Next Year

- Planned to conduct more number of co-curricular activities.
- Strategies have been planned to improve the quality of placement training.

Dr.P.RAJENDRAN

Vice Principal & Coordinator, IQAC

Dr. V. GUNARAJ

Principal & Chairperson, IQAC

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Annexure I

Abbreviations:

ASME	-	American Society of Mechanical Engineers
EDC	-	Entrepreneur Development Cell
FDP	-	Faculty Development Program
ICSSR	-	Indian Council of Social Science Research
ICT	-	Information and Communications Technologies
ICTACT	-	ICT Academy
IEEE	-	Institute of Electrical and Electronics Engineers
MOU	-	Memorandum of Understanding
NPTEL	-	National Programme on Technology Enhanced Learning
PALS	-	Pan IIT Leadership Series
PO	-	Program Objective
PEO	-	Programme Education Objective
RVSCET	-	RVS College of Engineering and Technology
UPSC	-	Union Public Service Commission
WEC	-	Women Empowerment Cell
